Appl. No. 09/838,678 Amdt. sent February 25, 2005 Amendment under 37 CFR 1.116 Expedited Procedure Examining Group

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

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branch are nullified.

1 1. (Currently amended): A computing device that provides hardware conversion of control flow to predicates associated with program instructions in machine code 2 that is executable within by said computing device, said machine code also being executable by a 3 target computing device different from said computing device, said computing device 4 5 comprising: predicate assignment means for detecting the beginning and the end of a branch 6 domain of said program instructions machine code, said predicate assignment means being 7 8 invisible to instruction set architecture and thereby invisible to a user; and predicate use means for realizing the beginning and the end of said branch domain 9 at execution time, and for selectively enabling and disabling instructions machine code within 10 said branch domain, said predicate use means being invisible to instruction set architecture and 11 12 thereby invisible to a user-, wherein said machine code is executable by said computing device without 13 recompiling, so that the same machine code is executable by said target computing device and by 14 15 said computing device. (Currently amended): The computing device according to claim 1 wherein 2. 1 said predicate assignment means includes a tracking buffer comprising dedicated register storage 2 to store branch information in order to make said predicate assignments. 3 (Previously presented): The computing device according to claim 1, 3. 1 2 wherein said predicate assignment means is operative to assign a canceling predicate to said

branch domain in order to delineate said branch domain so that effects of its corresponding

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8. (Currently amended): The method according to claim 7, wherein said
predicate generating further includes using dedicated registers for each instruction said machine
code in order to effect arbitrary control flow, said branch domain including at least a disjoint
branch domain, a nested branch domain, overlapped branched domains, or a and combinations of
said branch domains.